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Morbidity and Mortality Weekly Report

PUBLIC HEALTH SERVICE
U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Prepared by the COMMUNICABLE DISEASE CENTER MElrose 4-5[illegible]

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended July 15, 1961

Poliomyelitis – A sharp increase in the incidence of poliomyelitis is apparent from the current week's reported total of cases. For the week ending July 15, a total of 28 cases, 18 paralytic, was reported compared to 10 cases, 7 paralytic, during the preceding week. However, the number of cases remains well below that reported during comparable weeks in recent years. For the same week in 1960, there were 95 cases, 69 paralytic; and for 1958, 255 cases, 169 paralytic.

Cumulative totals for the first 28 weeks of the year over the past five years are shown above.

Polio (Cumulated Weekly) Through the 28th Week for the Past Five Years

	1961	1960	1959	1958	1957
Paralytic	175	454	974	416	734
Total	279	612	1458	818	1753

The three paralytic cases reported by Alabama represent a concentration of cases in Mobile, all with onsets during June. Specimens from a previous paralytic case, also from Mobile, with onset on June 1, has yielded

Table I. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports through previous week)

Disease (Seventh Revision of International Lists, 1955)	28th Week			Cumulative						Approximate seasonal low point
				First 28 weeks			Since seasonal low week			
	Ended July 15, 1961	Ended July 16, 1960	Median 1956-60	1961	1960	Median 1956-60	1960-61	1959-60	Median 1955-56 to 1959-60	
Anthrax-062	1	-	*	4	10	*	*	*	*	*
Botulism-049.1	-	-	*	4	6	*	*	*	*	*
Brucellosis (undulant fever)-044	32	29	22	321	460	454	*	*	*	*
Diphtheria-055	9	9	10	323	346	419	14	17	22	July 1
Encephalitis, infectious-082	27	47	41	792	880	824	792	880	824	Jan. 1
Hepatitis, infectious, and serum-092,N998.5 pt.	1,156	563	270	45,225	20,786	12,157	60,432	28,353	17,587	Sept. 1
Malaria-110-117	-	1	*	25	29	*	*	*	*	*
Measles-085	5,132	5,824	6,281	370,892	383,528	431,348	407,102	416,240	468,017	Sept. 1
Meningitis, aseptic-340 pt.	165	77	---	898	896	---	898	896	---	Jan. 1
Meningococcal infections-057	39	49	40	1,267	1,352	1,447	1,923	2,082	2,226	Sept. 1
Poliomyelitis-080	28	94	186	279	612	1,454	176	396	1,161	Apr. 1
Paralytic-080.0,080.1	18	69	56	175	454	970	115	300	762	Apr. 1
Nonparalytic-080.2	7	20	103	63	115	338	38	79	290	Apr. 1
Unspecified-080.3	3	5	27	41	43	146	23	17	109	Apr. 1
Psittacosis-096.2	1	3	*	41	58	*	*	*	*	*
Rabies in man-094	-	-	*	3	-	*	*	*	*	*
Streptococcal sore throat, including scarlet fever-050,051	3,010	3,329	---	213,671	201,394	---	11,323	---	---	Aug. 1
Typhoid fever-040	23	20	25	334	376	435	220	246	255	Apr. 1
Typhus fever, endemic-101	-	2	*	20	44	*	*	*	*	*
Rabies in animals	81	84	83	1,983	2,194	2,675	2,559	3,167	3,457	Oct. 1

* Weekly incidence low or sporadic
--- Data not available
- Quantity zero

Figures for current week exclude missing reports from Alaska
Anthrax - 1 Pennsylvania

type III poliovirus. All of these cases are among unvaccinated children.

In Maryland, the paralytic case reported last week and the two cases reported this week all reside in Frederick County. Onsets for these cases were in late June and early July; none were vaccinated; type III poliovirus has been isolated from two.

The four cases reported from Kansas this week are from four separate counties with no geographical localization evident.

From Texas this week, 120 cases of aseptic meningitis are reported. The cases, described as being clinically mild with only slight nuchal rigidity but accompanied by rash, have occurred principally among children in the Big Spring-Howard County area in the Southern Panhandle.

Anthrox – A fatal case of suspect inhalation anthrax is reported this week from Pennsylvania. An account of this case is detailed in Epidemiological Reports.

EPIDEMIOLOGICAL REPORTS

Food Borne Outbreoks of Unknown Etiology – Summory

Summarized on page 8 are 22 apparent food-borne disease outbreaks, the etiology of which could not be determined. With the three summarized in MMWR, Vol. 10, No. 12, it brings to 25 the number of such outbreaks reported this year. All are reported from five States, the majority from California.

Common to most of these outbreaks is the incrimination of a meat product and an incubation period falling in the range of 6 to 24 hours. The majority of the outbreaks were associated with establishments preparing food on a mass basis; in most instances, the food had been kept in warming devices for varying extended periods of time.

The epidemiologic characteristics described for many of these outbreaks are those most commonly associated with outbreaks caused by *Clostridium perfringens*, an organism annually implicated in a number of outbreaks in England but infrequently incriminated in this country.

Inholotion Anthrox – Delowore County, Pennsylvonio

On June 27, a 52 year old woman, a secretary in a goat hair and wool processing plant near Philadelphia, died after a short illness of suspected inhalation anthrax. Employees in the mill where she was employed had experienced cases of cutaneous anthrax in the past. The plant is participating in an anthrax vaccine evaluation program but, because the office staff was not included in the program, the patient had received no vaccine.

She complained first of chest and back pain on Friday, June 23, followed by extreme fatigue and intense sweating but was able to complete her work day. Because of the increasing severity of symptoms, she was hospitalized on Saturday, June 24. Examination at that time revealed a normal temperature, remarkably negative physical findings but some prominent lymph nodes in the left hilus by X-ray. Pending definitive diagnosis, she was given supportive therapy only.

On Tuesday, June 27 at 2:00 a.m., her condition abruptly deteriorated and despite heroic efforts, she died four hours later. At autopsy, a hemorrhagic mediastinitis was the most notable finding. Organisms resembling *Bacillus anthracis* were noted from smears of exudate and later from cultures. This organism has been confirmed as *B. anthracis* by phage studies.

Intensive environmental and epidemiological studies have been instituted by Dr. Herman Gold, plant physician, a team from the Pennsylvania Department of Health and the Communicable Disease Center.
(Reported by Dr. Ernest J. Witte, Chief, Veterinary Public Health Section, Pennsylvania Department of Health.)

Stophylococcol Gostroenteritis – Stopleton, Alobomo

On April 28, beginning about 11:00 a.m. and extending over the next three hours, 46 of 106 children attending the Stapleton, Alabama elementary school became abruptly ill with symptoms of abdominal cramps, headache, nausea and some vomiting. The children had been given chocolate popsicles and ice cream at 10:30 a.m. and had eaten lunch in groups at 11:45 a.m. and 12:15 p.m. Many had become ill before lunch. Of those who had eaten popsicles, 49% (36 of 73) became ill; of those who had not eaten popsicles, 30% (10 of 23) developed symptoms. Only four reported eating the ice cream. (It should be noted that histories from many of these young children were considered to be of doubtful reliability thus partially accounting for the ten cases among those who had supposedly not eaten popsicles.)

The popsicles had been derived from two commercial sources. Samples of one brand, when cultured, grew coagulase positive *Staphylococcus aureus.*
(Reported by Dr. W. H. Y. Smith, Director, Bureau of Preventable Diseases, Alabama Department of Public Health; investigated by Dr. W. Bruce Nelson, Health Officer, Baldwin County.)

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JULY 16, 1960 AND JULY 15, 1961

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Meningitis, aseptic	Brucellosis (undulant fever)
	Total (Includes cases not specified by type)				Paralytic 080.0,080.1				Nonparalytic 080.2			
	28th Week		Cumulative, first 28 weeks		28th Week		Cumulative, first 28 weeks				340 pt.	044
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1961
UNITED STATES	28	94	279	612	18	69	175	454	7	20	165	32
NEW ENGLAND	-	25	3	70	-	19	3	60	-	5	1	1
Maine	-	-	-	6	-	-	-	6	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	2	6	-	-	2	6	-	-	-	-
Rhode Island	-	24	-	57	-	18	-	47	-	5	1	-
Connecticut	-	1	1	1	-	1	1	1	-	-	-	1
MIDDLE ATLANTIC	1	10	19	58	1	7	15	42	-	3	2	1
New York	1	3	9	40	1	3	7	29	-	-	1	1
New Jersey	-	2	5	8	-	1	4	7	-	1	-	-
Pennsylvania	-	5	5	10	-	3	4	6	-	2	1	-
EAST NORTH CENTRAL	3	10	30	64	1	6	19	29	1	3	5	1
Ohio	1	-	12	21	-	-	6	7	-	-	1	-
Indiana	1	1	4	2	1	1	3	1	-	-	-	-
Illinois	1	7	8	21	-	5	6	15	1	2	4	-
Michigan	-	2	3	17	-	-	3	5	-	1	-	1
Wisconsin	-	-	3	3	-	-	1	1	-	-	-	-
WEST NORTH CENTRAL	5	3	19	31	2	2	9	17	1	-	1	23
Minnesota	-	-	3	14	-	-	3	11	-	-	-	1
Iowa	-	-	2	7	-	-	-	1	-	-	-	10
Missouri	1	2	8	6	-	1	2	4	1	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	1	-	-	-	-	-	-	-	1
Nebraska	-	1	2	1	-	1	2	1	-	-	-	3
Kansas	4	-	4	2	2	-	2	-	-	-	1	8
SOUTH ATLANTIC	7	15	46	83	6	9	32	65	1	4	5	2
Delaware	-	-	2	-	-	-	1	-	-	-	-	-
Maryland	2	-	3	1	2	-	3	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	1	-	-	-	1	-	-	-	2	1
West Virginia	2	1	7	8	1	-	4	7	1	1	-	-
North Carolina	-	-	4	18	-	-	3	17	-	-	-	1
South Carolina	-	12	4	21	-	7	4	14	-	3	2	-
Georgia	2	-	16	4	2	-	10	3	-	-	-	-
Florida	1	2	9	31	1	2	6	24	-	-	1	-
EAST SOUTH CENTRAL	3	6	29	24	3	6	12	21	-	-	1	-
Kentucky	-	-	16	8	-	-	2	5	-	-	-	-
Tennessee	-	1	5	3	-	1	2	3	-	-	-	-
Alabama	3	4	4	6	3	4	4	6	-	-	1	-
Mississippi	-	1	4	7	-	1	4	7	-	-	-	-
WEST SOUTH CENTRAL	6	12	47	79	2	7	26	48	4	5	122	3
Arkansas	-	3	2	5	-	2	-	3	-	1	2	1
Louisiana	2	3	13	25	2	2	10	18	-	1	-	2
Oklahoma	1	1	1	4	-	1	-	4	1	-	-	-
Texas	3	5	31	45	-	2	16	23	3	3	120	-
MOUNTAIN	-	-	22	23	-	-	13	13	-	-	9	-
Montana	*	-	2	10	-	-	2	6	-	-	-	-
Idaho	-	-	4	4	-	-	1	1	-	-	-	-
Wyoming	-	-	-	1	-	-	-	-	-	-	-	-
Colorado	-	-	3	2	-	-	3	2	-	-	8	-
New Mexico	-	-	1	2	-	-	-	-	-	-	1	-
Arizona	-	-	5	3	-	-	3	3	-	-	-	-
Utah	-	-	7	1	-	-	4	1	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC	3	13	64	180	3	13	46	159	-	-	19	1
Washington	1	-	10	7	1	-	6	7	-	-	2	1
Oregon	-	-	7	16	-	-	1	11	-	-	-	-
California	2	12	45	150	2	12	37	134	-	-	17	-
Alaska	---	-	-	2	---	-	-	2	---	-	---	---
Hawaii	-	1	2	5	-	1	2	5	-	-	-	-
Puerto Rico	1	19	5	312	1	19	5	305	-	-	-	-

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JULY 16, 1960 AND JULY 15, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

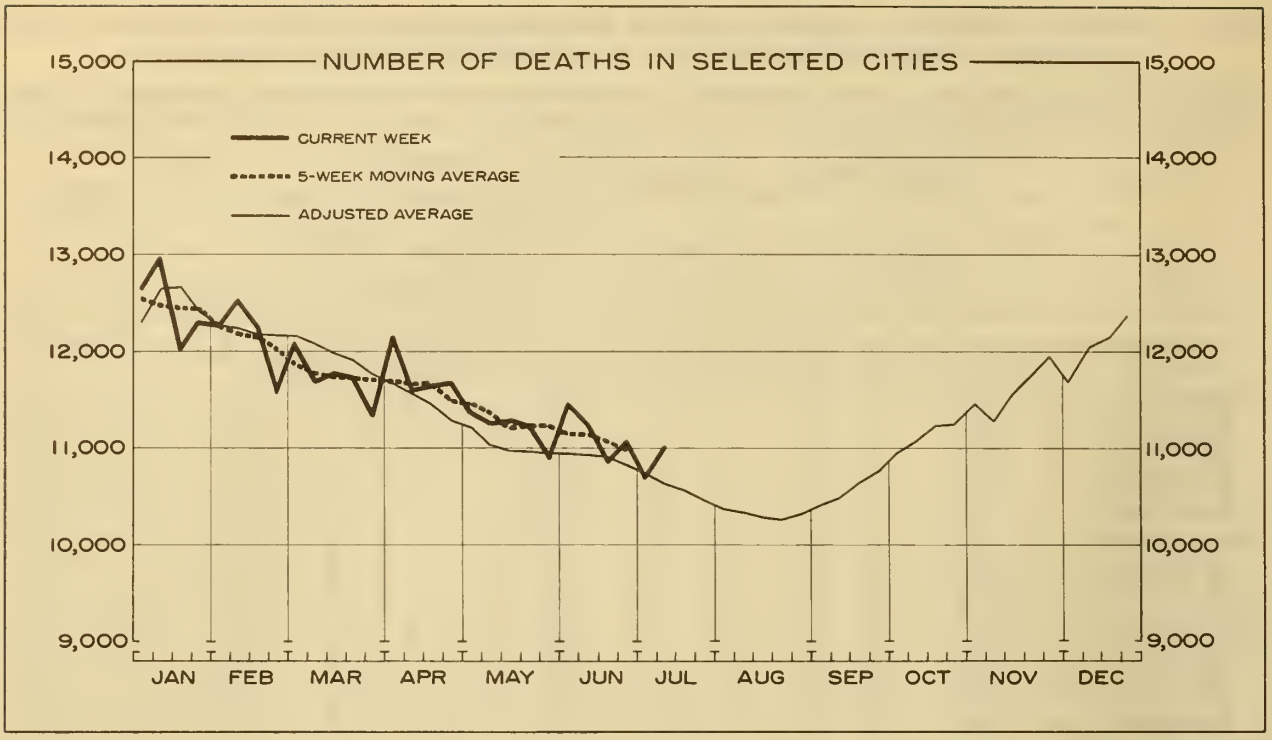
Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092,N998.5 pt.				Measles	
	28th Week		Cumulative, first 28 weeks		082		28th Week		Cumulative, first 28 weeks		085	
	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960	1961	1960
UNITED STATES	9	9	323	346	27	47	1,156	563	45,225	20,786	5,132	5,824
NEW ENGLAND	-	-	5	10	2	-	32	16	1,240	626	635	438
Maine	-	-	-	2	-	-	4	-	73	44	56	34
New Hampshire	-	-	-	-	-	-	4	-	78	20	-	3
Vermont	-	-	-	-	-	-	1	1	142	10	3	63
Massachusetts	-	-	4	7	1	-	13	9	443	313	439	215
Rhode Island	-	-	-	1	1	-	3	5	171	123	31	48
Connecticut	-	-	1	-	-	-	7	1	333	116	106	75
MIDDLE ATLANTIC	1	-	17	10	9	8	121	59	6,448	2,199	1,428	1,110
New York	-	-	7	2	7	1	60	33	2,661	1,114	703	829
New Jersey	-	-	-	1	-	5	32	6	1,585	170	380	205
Pennsylvania	1	-	10	7	2	2	29	20	2,202	915	345	76
EAST NORTH CENTRAL	-	2	13	30	2	10	249	82	9,159	3,920	1,143	2,350
Ohio	-	-	1	14	-	1	76	26	3,142	1,287	148	215
Indiana	-	-	1	4	-	2	26	6	1,477	467	38	50
Illinois	-	-	10	3	1	3	52	20	1,551	813	218	115
Michigan	-	2	1	8	1	3	88	28	2,767	1,190	409	963
Wisconsin	-	-	-	1	-	1	7	2	222	163	330	1,007
WEST NORTH CENTRAL	-	-	26	18	1	-	107	32	4,604	1,572	69	47
Minnesota	-	-	15	5	-	-	22	2	1,028	163	6	13
Iowa	-	-	1	2	-	-	28	1	1,330	270	9	16
Missouri	-	-	-	2	-	-	29	17	1,027	588	16	7
North Dakota	-	-	2	1	1	-	7	2	113	122	36	11
South Dakota	-	-	6	5	-	-	2	-	126	117	1	-
Nebraska	-	-	2	1	-	-	8	6	474	151	1	-
Kansas	-	-	-	2	-	-	11	4	506	161	NN	NN
SOUTH ATLANTIC	-	4	61	83	2	4	157	70	5,617	2,503	571	273
Delaware	-	-	-	-	-	-	-	7	139	156	16	16
Maryland	-	-	1	1	1	1	30	8	557	244	106	46
District of Columbia	-	-	2	-	-	-	1	3	63	23	6	21
Virginia	-	1	12	10	-	-	24	8	894	503	258	55
West Virginia	-	-	1	4	-	-	13	9	1,089	479	112	60
North Carolina	-	-	7	2	-	1	45	10	1,192	209	20	9
South Carolina	-	-	2	20	1	-	4	-	300	43	7	2
Georgia	-	2	13	19	-	-	14	2	532	171	-	23
Florida	-	1	23	27	-	2	26	23	851	675	46	41
EAST SOUTH CENTRAL	1	-	16	39	2	-	140	65	6,962	3,099	313	325
Kentucky	-	-	3	1	-	-	41	18	2,072	1,204	46	76
Tennessee	1	-	3	6	-	-	48	17	2,794	1,004	248	242
Alabama	-	-	5	20	-	-	36	20	1,197	662	5	7
Mississippi	-	-	5	12	2	-	15	10	899	229	14	-
WEST SOUTH CENTRAL	2	3	168	123	7	4	73	65	3,254	1,737	172	339
Arkansas	-	-	3	2	-	1	13	2	631	75	1	6
Louisiana	1	-	19	28	-	-	-9	3	329	81	2	-
Oklahoma	1	-	4	6	6	-	1	4	230	242	6	10
Texas	-	3	142	87	1	3	50	56	2,064	1,339	163	323
MOUNTAIN	5	-	12	32	-	3	74	46	2,856	1,709	265	323
Montana	-	-	2	2	-	-	5	1	268	66	20	22
Idaho	-	-	-	11	-	1	21	12	198	220	42	33
Wyoming	-	-	-	5	-	-	-	2	108	17	-	1
Colorado	-	-	4	3	-	1	26	16	982	605	103	117
New Mexico	-	-	-	4	-	-	4	1	317	235	NN	-
Arizona	5	-	5	3	-	-	6	13	427	398	85	82
Utah	-	-	-	4	-	1	5	-	468	147	13	28
Nevada	-	-	1	-	-	-	7	1	88	21	2	40
PACIFIC	-	-	5	1	2	18	203	128	5,085	3,421	536	619
Washington	-	-	-	-	1	-	10	13	618	405	39	44
Oregon	-	-	-	-	1	-	31	17	850	583	109	212
California	-	-	1	-	-	17	161	93	3,436	2,239	388	307
Alaska	---	-	4	1	---	1	---	5	144	140	---	45
Hawaii	-	-	-	-	-	-	1	-	37	54	-	11
Puerto Rico	1	3	41	94	-	-	29	6	574	446	32	14

NN-Not Notifiable

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED JULY 16, 1960 AND JULY 15, 1961 - Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningoccocal infections		Psitta-cosis	Strepto-coccal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
						28th Week		Cumulative, first 28 weeks				
	110-117	057		096.2	050,051					101		
	1961	1961	1960	1961	1961	1961	1960	1961	1960	1961	1961	1960
UNITED STATES	-	39	49	1	3,010	23	20	334	376	-	81	84
NEW ENGLAND	-	5	1	-	88	-	1	7	6	-	-	-
Maine	-	1	-	-	2	-	-	1	2	-	-	-
New Hampshire	-	-	-	-	1	-	-	-	-	-	-	-
Vermont	-	-	-	-	1	-	-	-	-	-	-	-
Massachusetts	-	2	1	-	35	-	-	2	2	-	-	-
Rhode Island	-	-	-	-	10	-	-	1	-	-	-	-
Connecticut	-	2	-	-	39	-	1	3	2	-	-	-
MIDDLE ATLANTIC	-	7	13	1	215	4	2	40	23	-	2	22
New York	-	6	5	-	186	3	1	22	19	-	1	21
New Jersey	-	1	1	-	17	1	-	8	-	-	-	-
Pennsylvania	-	-	7	1	12	-	1	10	4	-	1	1
EAST NORTH CENTRAL	-	6	11	-	214	2	5	42	42	-	17	13
Ohio	-	1	2	-	30	1	4	14	10	-	4	4
Indiana	-	-	-	-	26	-	-	6	11	-	6	3
Illinois	-	1	5	-	22	1	1	20	11	-	6	1
Michigan	-	4	4	-	113	-	-	1	6	-	1	2
Wisconsin	-	-	-	-	23	-	-	1	4	-	-	3
WEST NORTH CENTRAL	-	3	4	-	77	1	2	24	23	-	26	11
Minnesota	-	1	1	-	-	-	-	5	1	-	7	1
Iowa	-	-	-	-	23	-	-	1	3	-	13	-
Missouri	-	1	2	-	2	-	1	12	15	-	4	9
North Dakota	-	-	1	-	35	-	-	-	1	-	-	-
South Dakota	-	-	-	-	1	1	-	3	1	-	1	-
Nebraska	-	-	-	-	-	-	-	1	1	-	1	1
Kansas	-	1	-	-	16	-	1	2	1	-	-	-
SOUTH ATLANTIC	-	4	5	-	145	2	5	49	58	-	2	4
Delaware	-	-	-	-	-	-	-	1	1	-	-	-
Maryland	-	1	-	-	5	-	1	1	1	-	-	-
District of Columbia	-	-	-	-	-	-	1	6	5	-	-	-
Virginia	-	1	1	-	64	-	2	1	14	-	2	2
West Virginia	-	1	-	-	41	-	-	4	2	-	-	2
North Carolina	-	-	4	-	6	-	-	7	8	-	-	-
South Carolina	-	-	-	-	6	1	-	3	8	-	-	-
Georgia	-	-	-	-	-	1	1	19	11	-	-	-
Florida	-	1	-	-	23	-	-	7	8	-	-	-
EAST SOUTH CENTRAL	-	2	7	-	752	3	1	36	53	-	9	7
Kentucky	-	-	6	-	28	1	-	7	13	-	3	2
Tennessee	-	1	-	-	677	1	-	24	25	-	5	5
Alabama	-	1	1	-	2	1	1	4	10	-	-	-
Mississippi	-	-	-	-	45	-	-	1	5	-	1	-
WEST SOUTH CENTRAL	-	3	3	-	483	7	4	74	123	-	25	22
Arkansas	-	-	-	-	5	-	-	9	22	-	-	8
Louisiana	-	1	1	-	-	1	-	6	48	-	1	-
Oklahoma	-	-	-	-	7	-	-	8	5	-	1	-
Texas	-	2	2	-	471	6	4	51	48	-	23	14
MOUNTAIN	-	3	-	-	812	-	-	26	18	-	-	3
Montana	-	-	-	-	18	-	-	3	5	-	-	-
Idaho	-	-	-	-	66	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	1	2	-	-	-
Colorado	-	-	-	-	332	-	-	5	-	-	-	3
New Mexico	-	-	-	-	193	-	-	7	5	-	-	-
Arizona	-	-	-	-	130	-	-	5	6	-	-	-
Utah	-	-	-	-	73	-	-	2	-	-	-	-
Nevada	-	3	-	-	-	-	-	3	-	-	-	-
PACIFIC	-	6	5	-	224	4	-	36	30	-	-	2
Washington	-	1	-	-	67	-	-	5	1	-	-	-
Oregon	-	2	1	-	15	-	-	-	6	-	-	-
California	-	3	4	-	140	4	-	31	23	-	-	2
Alaska	---	---	-	---	---	---	-	-	-	---	---	-
Hawaii	-	-	-	-	2	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	7	1	-	11	16	-	-	1



The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. For each region the adjusted average was computed as follows: From the total deaths reported each week for the years 1956-1960, 3 central figures were selected by eliminating the highest and lowest figure reported for that week. A 5-week moving average of the arithmetic mean of the 3 central figures was then computed with adjustment to allow for population growth in each region. The average value of the regional increases was 2 percent which was incorporated in the adjusted average shown in the chart.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	28th week ended July 15, 1961	27th week ended July 8, 1961	Adjusted average, 28th week 1956-60	Percent change, adjusted average to current week	Cumulative, first 28 weeks		
					1961	1960	Percent change
TOTAL, 117 REPORTING CITIES	11,012	10,723	10,620	+3.7	326,713	334,010	-2.2
New England (14 cities)	668	650	623	+7.2	20,172	20,989	-3.9
Middle Atlantic (20 cities)	3,004	3,094	2,883	+4.2	93,266	92,576	+0.7
East North Central (21 cities)	2,277	2,486	2,276	+0.04	69,922	71,745	-2.5
West North Central (9 cities)	830	776	757	+9.6	22,163	23,217	-4.5
South Atlantic (11 cities)	997	863	908	+9.8	28,133	29,047	-3.1
East South Central (8 cities)	477	413	484	-1.4	14,754	15,187	-2.9
West South Central (13 cities)	986	814	996	-1.0	27,747	29,422	-5.7
Mountain (8 cities)	373	369	348	+7.2	10,398	10,412	-0.1
Pacific (13 cities)	1,400	1,258	1,345	+4.1	40,158	41,415	-3.0

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	27th week ended July 8, 1961	28th week ended July 15, 1961	Cumulative, first 28 weeks	
			1961	1960
NEW ENGLAND:				
Boston, Mass.	222	206	6,851	7,292
Bridgeport, Conn.	42	36	1,096	1,205
Cambridge, Mass.	21	30	839	926
Fall River, Mass.	25	31	776	846
Hartford, Conn.	57	48	1,358	1,364
Lowell, Mass.	30	14	712	694
Lynn, Mass.	13	16	627	700
New Bedford, Mass.	29	26	760	701
New Haven, Conn.	36	47	1,324	1,297
Providence, R.I.	64	75	1,784	1,851
Somerville, Mass.	13	8	378	405
Springfield, Mass.	38	38	1,307	1,336
Waterbury, Conn.	37	21	786	813
Worcester, Mass.	41	54	1,574	1,559
MIDDLE ATLANTIC:				
Albany, N.Y.	48	44	1,322	1,290
Allentown, Pa.	35	40	991	1,023
Buffalo, N.Y.	127	151	4,198	4,265
Camden, N.J.	46	34	1,211	1,254
Elizabeth, N.J.	28	19	810	837
Erie, Pa.	43	45	1,129	1,120
Jersey City, N.J.	59	62	1,980	2,042
Newark, N.J.	90	126	2,912	2,786
New York City, N.Y.	1,482	1,615	47,627	47,041
Paterson, N.J.	34	39	1,114	1,119
Philadelphia, Pa.	499	485	14,627	14,181
Pittsburgh, Pa.	193	143	5,472	5,596
Reading, Pa.	20	13	641	689
Rochester, N.Y.	113	88	2,824	2,855
Schenectady, N.Y.	23	23	693	681
Scranton, Pa.	29	28	996	1,090
Syracuse, N.Y.	53	65	1,737	1,796
Trenton, N.J.	33	19	1,260	1,207
Utica, N.Y.	23	26	815	796
Yonkers, N.Y.	26	29	907	908
EAST NORTH CENTRAL:				
Akron, Ohio	62	68	1,618	1,614
Canton, Ohio	24	16	884	995
Chicago, Ill.	627	818	21,187	22,079
Cincinnati, Ohio	173	148	4,486	4,485
Cleveland, Ohio	216	195	5,824	6,143
Columbus, Ohio	99	113	3,222	3,399
Dayton, Ohio	86	79	2,313	2,069
Detroit, Mich.	273	316	9,519	9,865
Evansville, Ind.	30	40	1,024	1,052
Flint, Mich.	36	39	1,223	1,141
Fort Wayne, Ind.	32	34	1,086	1,081
Gary, Ind.	40	27	873	915
Grand Rapids, Mich.	43	61	1,300	1,198
Indianapolis, Ind.	137	122	4,074	4,212
Madison, Wis.	31	34	926	930
Milwaukee, Wis.	124	127	3,496	3,582
Peoria, Ill.	18	19	811	853
Rockford, Ill.	29	26	809	832
South Bend, Ind.	35	24	822	817
Toledo, Ohio	110	109	2,799	2,876
Youngstown, Ohio	52	71	1,626	1,607
WEST NORTH CENTRAL:				
Des Moines, Iowa	67	37	1,487	1,618
Duluth, Minn.	38	17	727	728
Kansas City, Kans.	38	46	1,085	987
Kansas City, Mo.	131	144	3,652	3,667
Lincoln, Nebr.	(32)	(33)	(794)	(749)
Minneapolis, Minn.	122	125	3,400	3,547
Omaha, Nebr.	91	59	1,939	2,119
WEST NORTH CENTRAL—Con.:				
St. Louis, Mo.	219	234	6,688	7,190
St. Paul, Minn.	61	68	1,886	2,044
Wichita, Kans.	63	46	1,299	1,317
SOUTH ATLANTIC:				
Atlanta, Ga.	113	92	3,219	3,389
Baltimore, Md.	207	218	7,037	7,376
Charlotte, N.C.	32	31	998	1,164
Jacksonville, Fla.	58	45	1,623	1,783
Miami, Fla.	79	70	2,152	2,138
Norfolk, Va.	64	40	1,422	1,194
Richmond, Va.	69	70	2,245	2,286
Savannah, Ga.	38	20	929	1,045
St. Petersburg, Fla.	(71)	(66)	(2,041)	(2,133)
Tampa, Fla.	74	63	1,915	1,949
Washington, D.C.	199	177	5,469	5,615
Wilmington, Del.	64	37	1,124	1,108
EAST SOUTH CENTRAL:				
Birmingham, Ala.	90	62	2,444	2,481
Chattanooga, Tenn.	42	35	1,350	1,370
Knoxville, Tenn.	35	17	789	844
Louisville, Ky.	46	98	3,229	3,313
Memphis, Tenn.	142	79	3,265	3,268
Mobile, Ala.	39	35	1,139	1,169
Montgomery, Ala.	32	13	887	1,012
Nashville, Tenn.	51	74	1,651	1,730
WEST SOUTH CENTRAL:				
Austin, Tex.	37	24	962	1,008
Baton Rouge, La.	35	13	801	835
Corpus Christi, Tex.	32	15	648	699
Dallas, Tex.	119	109	3,501	3,633
El Paso, Tex.	41	31	1,010	1,113
Fort Worth, Tex.	63	65	1,844	1,941
Houston, Tex.	173	102	4,636	4,876
Little Rock, Ark.	68	46	1,582	1,685
New Orleans, La.	159	178	4,713	5,309
Oklahoma City, Okla.	71	58	2,139	2,174
San Antonio, Tex.	84	80	2,898	2,954
Shreveport, La.	55	48	1,468	1,574
Tulsa, Okla.	49	45	1,545	1,621
MOUNTAIN:				
Albuquerque, N. Mex.	28	51	899	888
Colorado Springs, Colo.	13	19	467	486
Denver, Colo.	123	93	3,238	3,405
Ogden, Utah	14	13	451	482
Phoenix, Ariz.	82	78	2,348	2,234
Pueblo, Colo.	16	14	471	450
Salt Lake City, Utah	48	61	1,392	1,410
Tucson, Ariz.	49	40	1,132	1,057
PACIFIC:				
Berkeley, Calif.	14	14	476	487
Fresno, Calif.	(44)	(48)	(1,270)	(1,299)
Glendale, Calif.	(43)	(36)	(963)	(1,090)
Honolulu, Hawaii	38	38	1,121	1,188
Long Beach, Calif.	33	41	1,576	1,597
Los Angeles, Calif.	502	447	14,240	14,760
Oakland, Calif.	90	132	2,788	2,773
Pasadena, Calif.	35	25	949	977
Portland, Oreg.	105	127	3,050	3,170
Sacramento, Calif.	70	47	1,790	1,662
San Diego, Calif.	90	66	2,513	2,559
San Francisco, Calif.	195	156	5,577	5,687
San Jose, Calif.	(30)	(42)	(999)	(982)
Seattle, Wash.	142	101	3,696	3,994
Spokane, Wash.	45	39	1,290	1,346
Tacoma, Wash.	41	25	1,092	1,215
San Juan, P. R.	(29)	(21)	(980)	(999)

() Figures shown in parenthesis are from cities which have been reporting less than five years and hence are not included in Table 3.

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DATE	STATE	NUMBER EATING MEAL	NUMBER EATING VEHICLE	NO. ILL	SUSPECT VEHICLE	PLACE PREPARED	INCUBATION RANGE	INVESTIGATED BY
1-19-61	Mass.	150		Unk.	Chicken	Caterer	12 hrs.	R. F. Wagner
1-22-61	Calif.	4	4	4	Frozen Chicken & beef meat pies	Commercial	10 min-10 hrs.	E. A. Davis
1-26-61	Calif.	559	412	120	Frozen string beans or turkey	Commercial or dining hall	1-2 or 7-8 hrs.	M. H. Clark; H. Wilson
2-2-61	Calif.	3	3	3	Hamburgers	Restaurant	3/4 hrs.	J. M. Mears
2-9-61	Mass.	569		83	Turkey	School cafeteria	7-12 hrs.	F. L. Moore
2-12-61	Calif.	57	49	47	Cheese sauce	College Dining Hall	2-19 hrs.	F. A. Listick
2-21-61	Calif.	84		39	Chicken Gravy	Restaurant	7-18 hrs.	F. Patane; F. Listick
2-21-61	Calif.	22	20	20	Roast Beef	Camp	7-14 hrs.	G. W. Taylor; E. H. Moore
2-26-61	Calif.	28	28	21	Unknown	College Dining Hall	Unknown	H. Wilson
3-13-61	Calif.	3	3	3	Ground Beef, Raviolis	Restaurant	1-36 hrs.	R. Anderson
3-15-61	Calif.	320		108	Enchiladas	School Cafeteria	9-20 hrs.	G. A. Heidbreder
3-28-61	Wash.	8		3	Salad Dressing	Restaurant	1 hr.	E. O. Ploeger; J. L. Seabrandt; D. L. Clarne
4-14-61	Calif.	24	19	13	Ice cream	Home	21-52 hrs.	F. A. Listick; M. Brandon
4-19-61	Calif.	3	3	3	Canned ham	Commercial	6-7 hrs.	A. R. Leonard
4-28-61	Calif.		23	2	Barbecued beef, egg sandwich	Restaurant	18 hrs.	J. Makishima
5-1-61	Calif.	7	7	7	Pork spare ribs	? Home	6-11 hrs.	S. Rose
5-2-61	Calif.	4	4	4	Roast Beef, Macaroni salad	Restaurant	11-13 hrs.	F. K. Gates, R. C. Tetreault
5-2-61	La.		4	4	Pork sausage	Commercial or home	7½ hrs.	H. Winsont
5-7-61	Wash.	17	17	12	Potato salad	Home	9-15 hrs.	T. R. Strong; S. A. Keim
5-13-61	Calif.	4	4	4	Beef Dip sandwiches	Restaurant	11-14 hrs.	F. A. Listick
5-14-61	Wash.		4	4	Meat or gravy	Restaurant	2-24 hrs.	J. L. Seabrandt; E. O. Ploeger
5-30-61	Calif.	19	11	7	Spaghetti with meat sauce	Home	2-14 hrs.	F. A. Listick; L. H. Rothbaler

QUARANTINE MEASURES

Immunization Information for International Travel

No Changes Reported

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for the States of Alaska and Hawaii. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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